Name: Period:

Wetland Study

**Habitat Observations:**

1. Describe the wetland using your sense of smell, touch, sight, and hearing.
2. What evidence of animals do you observe?
3. Describe the plants you have found in the wetland. What special adaptations help them to live there?

**Weather Data:**

Cloud Cover (% of sky covered) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Air Temperature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Water Temperature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Describe the weather \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Draw an animal OR evidence of animal AND plant that you see within the wetland.

**Wetland Metaphors:**

Think about the following household objects and determine how they could function within a wetland…

1. Sponge -- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Pillow -- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Egg beater -- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Cradle -- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Strainer -- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Coffee filter -- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Create a MUDDY portrayal of a WETLAND**

Name: Period:

Wetland Study KEY

**Habitat Observations:**

1. Describe the wetland using your sense of smell, touch, sight, and hearing.

* Sight –layers of plants (low-lying up to canopy); leaf litter; succulent plants; tons of weeds; trees covered with fungi (orange, yellow, green); mosses; taller trees are maples or have pinnate leaves; ground is covered in sticky mud – wet, but not soaked; low-lying plants surround the creek bed, as one moves out, shrubs move in, followed by canopies of trees; shaded; swifts and swallows flying; remnants of slugs, ants, and other insects
* Smell – hint of mint; lemony; honey
* Hearing – train; kids screaming, laughing, talking; branches creaking; sticks cracking; caw-caw-caw (crows); bird noises – doo, doo, doo; da-da-da
* Touch – soggy; mushy; damp; dewy; swampy

1. What evidence of animals do you observe?

* Sounds
* Downed trees or areas where creatures could nest or keep shelter
* Holes in trees (nests or from woodpeckers)
* Bird tracks – cute, little footprints

1. Describe the plants you have found in the wetland. What special adaptations help them to live there?

* Succulents – thick leaves – allow for water entry and collection
* Deep roots – extending in all directions
* Form in clumps – thick areas of low-lying brush
* Long stems with protruding flowers
* Lots of different shades of green

**Weather Data:**

Cloud Cover (% of sky covered) Varied from 12%, 4%, 72%

Air Temperature Varied from 59 degrees F to 70 degrees F

Water Temperature 49 degrees F

Describe the weather Varied: brisk, shaded, cool, sunny, blue sky, warm

1. Draw an animal OR evidence of animal AND plant that you see within the wetland.

**Wetland Metaphors:**

Think about the following household objects and determine how they could function within a wetland…

1. Sponge – absorb excess water from runoff; retains moisture for a time, even if standing water dries up
2. Pillow – resting place for animals
3. Egg beater – mixes nutrients and oxygen in the air
4. Cradle – provides a nursery that shelters, protects, and feeds young wildlife
5. Strainer – strains silt and debris from water (keeps water supply clean)
6. Coffee filter – filters small impurities from water (excess nutrients, toxins)